## Message

From: Rodan, Bruce [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP

(FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=RODAN, BRUCE]

**Sent**: 4/5/2019 4:42:58 PM

To: Slimak, Michael [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=197d6551afaf4d90b087c4d5bf62b53c-Slimak, Mike]

CC: Fleming, Megan [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=14b4c2e10bf84f1fa9a3f91f5ca1c4c0-Fleming, Megan]; Zartarian, Valerie

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=81096fe8dd024bdf935dec292bf44f9d-Zartarian, Valerie]; Flowers, Lynn

[/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=1a4411c874d041b9a8badfc32b91bd70-Flowers, Lynn]; Guiseppi-Elie,

Annette [/o=ExchangeLabs/ou=Exchange Administrative Group

(FYDIBOHF23SPDLT)/cn=Recipients/cn=63d3e2eaeb9c4acba2609baa90b0f735-Guiseppi-El]

Subject: HEADS UP: Bradham: Dietary Lead and Phosphate Interactions Affect Oral Bioavailability of Soil Lead in the Mouse

Attachments: Bradham Dietary Pb and PO4.pdf; Bradham - AN Fact Sheet\_20190402.docx

Mike,

Attached is a manuscript on the impact of phosphate on Pb relative bioavailability. This should be sent as a Heads Up (a

Ex. 5 Deliberative Process (DP)

## Ex. 5 Deliberative Process (DP)

Bruce Rodan

Associate Director for Science

EPA Office of Research and Development

From: Guiseppi-Elie, Annette

Sent: Tuesday, April 2, 2019 3:13 PM

To: Rodan, Bruce < rodan.bruce@epa.gov>

Cc: Fleming, Megan < Fleming.Megan@epa.gov>

Subject: Bradham: Dietary Lead and Phosphate Interactions Affect Oral Bioavailability of Soil Lead in the Mouse

Bruce,

Attached is a manuscript co-authored by Karen Bradham entitled: "Dietary Lead and Phosphate Interactions Affect Oral Bioavailability of Soil Lead in the Mouse".

## Ex. 5 Deliberative Process (DP)

I have attached both the OW Factsheet and the original format factsheet along with the manuscript. Let me know if you have questions.

All best, Annette.

Annette Guiseppi-Elie, Ph.D., FAIMBE Associate Director for Exposure Science NERL/ORD/USEPA

Telephone: 919.541.4986; Mobile: Ex. 6 Personal Privacy (PP)

Email: guiseppi-elie.annette@epa.gov

From: Guiseppi-Elie, Annette

Sent: Thursday, March 21, 2019 2:37 PM

To: Bruce Rodan (rodan.bruce@epa.gov) <rodan.bruce@epa.gov>

Cc: Fleming, Megan (Fleming.Megan@epa.gov) < Fleming.Megan@epa.gov>

Subject: Price: A proposal for creating a taxonomy of chemical interactions based on the concepts of the aggregate

exposure and adverse outcome pathways

Bruce,

## Ex. 5 Deliberative Process (DP)

Attached is the manuscript, the original factsheet format and the OW AN form. Let me know what you think. Thanks.

All Best, Annette.